

# Tom Jilbert

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

2,324  
citations

236925

25  
h-index

243625

44  
g-index

47  
all docs

47  
docs citations

47  
times ranked

3058  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biogeochemical functioning of the Baltic Sea. <i>Earth System Dynamics</i> , 2022, 13, 633-685.	7.1	22
2	Drought recorded by Ba <sup>40</sup> Ca in coastal benthic foraminifera. <i>Biogeosciences</i> , 2022, 19, 2523-2535.	3.3	4
3	A biogeochemical approach to evaluate the optimization and effectiveness of hypolimnetic withdrawal. <i>Science of the Total Environment</i> , 2021, 755, 143202.	8.0	9
4	Human actions were responsible for both initiation and termination of varve preservation in Lake Vesijärvi, southern Finland. <i>Journal of Paleolimnology</i> , 2021, 66, 207-227.	1.6	3
5	Autochthonous organic matter promotes DNRA and suppresses N <sub>2</sub> O production in sediments of the coastal Baltic Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 255, 107369.	2.1	8
6	Anthropogenic Inputs of Terrestrial Organic Matter Influence Carbon Loading and Methanogenesis in Coastal Baltic Sea Sediments. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	3
7	Iron-Phosphorus Feedbacks Drive Multidecadal Oscillations in Baltic Sea Hypoxia. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095908.	4.0	4
8	Legacy Effects of Eutrophication on Modern Methane Dynamics in a Boreal Estuary. <i>Estuaries and Coasts</i> , 2020, 43, 189-206.	2.2	25
9	Depth and intensity of the sulfate-methane transition zone control sedimentary molybdenum and uranium sequestration in a eutrophic low-salinity setting. <i>Applied Geochemistry</i> , 2020, 122, 104767.	3.0	11
10	Preface: Restoration of eutrophic lakes: current practices and future challenges. <i>Hydrobiologia</i> , 2020, 847, 4343-4357.	2.0	36
11	Long-Term Consequences of Water Pumping on the Ecosystem Functioning of Lake Sekšņi, Latvia. <i>Water (Switzerland)</i> , 2020, 12, 1459.	2.7	9
12	Impacts of a deep reactive layer on sedimentary phosphorus dynamics in a boreal lake recovering from eutrophication. <i>Hydrobiologia</i> , 2020, 847, 4401-4423.	2.0	16
13	Terrestrial organic matter input drives sedimentary trace metal sequestration in a human-impacted boreal estuary. <i>Science of the Total Environment</i> , 2020, 717, 137047.	8.0	40
14	Influence of electron acceptor availability and microbial community structure on sedimentary methane oxidation in a boreal estuary. <i>Biogeochemistry</i> , 2020, 148, 291-309.	3.5	28
15	Metaschoepite Dissolution in Sediment Column Systems—Implications for Uranium Speciation and Transport. <i>Environmental Science &amp; Technology</i> , 2019, 53, 9915-9925.	10.0	14
16	Impacts of flocculation on the distribution and diagenesis of iron in boreal estuarine sediments. <i>Biogeosciences</i> , 2018, 15, 1243-1271.	3.3	53
17	Hypoxia in the Holocene Baltic Sea: Comparing modern versus past intervals using sedimentary trace metals. <i>Chemical Geology</i> , 2018, 493, 478-490.	3.3	27
18	A 1500-year multiproxy record of coastal hypoxia from the northern Baltic Sea indicates unprecedented deoxygenation over the 20th century. <i>Biogeosciences</i> , 2018, 15, 3975-4001.	3.3	45

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19	Molybdenum dynamics in sediments of a seasonally-hypoxic coastal marine basin. <i>Chemical Geology</i> , 2017, 466, 627-640.	3.3	33
20	Effects of the 2014 major Baltic inflow on methane and nitrous oxide dynamics in the water column of the central Baltic Sea. <i>Earth System Dynamics</i> , 2017, 8, 817-826.	7.1	14
21	Anaerobic oxidation of methane alters sediment records of sulfur, iron and phosphorus in the Black Sea. <i>Biogeosciences</i> , 2016, 13, 5333-5355.	3.3	69
22	Evolving coastal character of a Baltic Sea inlet during the Holocene shoreline regression: impact on coastal zone hypoxia. <i>Journal of Paleolimnology</i> , 2016, 55, 319-338.	1.6	21
23	Hypoxia-driven variations in iron and manganese shuttling in the Baltic Sea over the past 8 kyr. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3754-3766.	2.5	45
24	Sedimentation Pulse in the NE Gulf of Mexico following the 2010 DWH Blowout. <i>PLoS ONE</i> , 2015, 10, e0132341.	2.5	126
25	High-resolution line-scan analysis of resin-embedded sediments using laser ablation-inductively coupled plasma-mass spectrometry (LA-ICP-MS). <i>Chemical Geology</i> , 2015, 403, 42-51.	3.3	21
26	Glacio-isostatic control on hypoxia in a high-latitude shelf basin. <i>Geology</i> , 2015, 43, 427-430.	4.4	28
27	Vivianite is a major sink for phosphorus in methanogenic coastal surface sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 169, 217-235.	3.9	128
28	Elemental signature of terrigenous sediment runoff as recorded in coastal salt ponds: US Virgin Islands. <i>Applied Geochemistry</i> , 2015, 63, 573-585.	3.0	18
29	Iron-Mediated Anaerobic Oxidation of Methane in Brackish Coastal Sediments. <i>Environmental Science &amp; Technology</i> , 2015, 49, 277-283.	10.0	230
30	Hypoxia in the Baltic Sea: Biogeochemical Cycles, Benthic Fauna, and Management. <i>Ambio</i> , 2014, 43, 26-36.	5.5	158
31	Redox-dependent changes in manganese speciation in Baltic Sea sediments from the Holocene Thermal Maximum: An EXAFS, XANES and LA-ICP-MS study. <i>Chemical Geology</i> , 2014, 370, 49-57.	3.3	40
32	Hypoxia Sustains Cyanobacteria Blooms in the Baltic Sea. <i>Environmental Science &amp; Technology</i> , 2014, 48, 2598-2602.	10.0	109
33	Solar forcing of Nile discharge and sapropel S1 formation in the early to middle Holocene eastern Mediterranean. <i>Paleoceanography</i> , 2014, 29, 343-356.	3.0	112
34	Iron and manganese shuttles control the formation of authigenic phosphorus minerals in the euxinic basins of the Baltic Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 107, 155-169.	3.9	143
35	Rapid high-amplitude variability in Baltic Sea hypoxia during the Holocene. <i>Geology</i> , 2013, 41, 1183-1186.	4.4	64
36	Coupled Dynamics of Iron and Phosphorus in Sediments of an Oligotrophic Coastal Basin and the Impact of Anaerobic Oxidation of Methane. <i>PLoS ONE</i> , 2013, 8, e62386.	2.5	123

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37	Stable lead (Pb) isotopes and concentrations – A useful independent dating tool for Baltic Sea sediments. <i>Quaternary Geochronology</i> , 2012, 8, 41-45.	1.4	29
38	Interannual climate variability in the Miocene: High resolution trace element and stable isotope ratios in giant clams. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 306, 75-81.	2.3	50
39	Beyond the Fe-P-redox connection: preferential regeneration of phosphorus from organic matter as a key control on Baltic Sea nutrient cycles. <i>Biogeosciences</i> , 2011, 8, 1699-1720.	3.3	106
40	Climate-controlled multidecadal variability in North African dust transport to the Mediterranean. <i>Geology</i> , 2010, 38, 19-22.	4.4	26
41	Evidence for active El Niño Southern Oscillation variability in the Late Miocene greenhouse climate. <i>Geology</i> , 2010, 38, 419-422.	4.4	42
42	Short-time-scale variability in ventilation and export productivity during the formation of Mediterranean sapropel S1. <i>Paleoceanography</i> , 2010, 25, n/a-n/a.	3.0	43
43	Bromine counts from XRF scanning as an estimate of the marine organic carbon content of sediment cores. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	158
44	Fluid displacive resin embedding of laminated sediments: preserving trace metals for high-resolution paleoclimate investigations. <i>Limnology and Oceanography: Methods</i> , 2008, 6, 16-22.	2.0	25
45	The role of organic matter and microbial community controlling nitrate reduction under elevated ferrous iron concentrations in boreal lake sediments. <i>Hydrobiologia</i> , 0, , 1.	2.0	4